

**Termoplastsed torud vedelike edastamiseks.
Kiiresti levivate pragude kindluse määramine
(RCP). Väikesemahulised statsionaarsed katsed
(S4 katsed)**

Thermoplastics pipes for the conveyance of fluids -
Determination of resistance to rapid crack propagation
(RCP) - Small-scale steady-state test (S4 test)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 13477:2008 sisaldab Euroopa standardi EN ISO 13477:2008 ingliskeelset teksti.

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This Estonian standard EVS-EN ISO 13477:2008 consists of the English text of the European standard EN ISO 13477:2008.

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English Version

Thermoplastics pipes for the conveyance of fluids -
Determination of resistance to rapid crack propagation (RCP) -
Small-scale steady-state test (S4 test) (ISO 13477:2008)

Tubes en matières thermoplastiques pour le transport des
fluides - Détermination de la résistance à la propagation
rapide de la fissure (RCP) - Essai à petite échelle à état
constant (essai S4) (ISO 13477:2008)

Rohre aus Thermoplasten für den Transport von Fluiden -
Bestimmung des Widerstandes gegenüber schneller
Rissfortpflanzung (RCP) - Laborprüfung (S4-Prüfung) (ISO
13477:2008)

This European Standard was approved by CEN on 7 February 2008.

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Foreword

This document (EN ISO 13477:2008) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration with Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

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Endorsement notice

The text of ISO 13477:2008 has been approved by CEN as a EN ISO 13477:2008 without any modification.

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Thermoplastics pipes for the conveyance of fluids — Determination of resistance to rapid crack propagation (RCP) — Small-scale steady-state test (S4 test)

1 Scope

This International Standard specifies a small-scale (S4) test method for determining the arrest or propagation of a crack initiated in a thermoplastics pipe at a specified temperature and internal pressure.

This International Standard is applicable to the assessment of the performance of thermoplastics pipes intended for the supply of gases or liquids. In the latter case, air can also be present in the pipe.

NOTE This test method was developed using monolayer thermoplastics pipes. Its applicability to multi-layer/coated pipes has yet to be fully confirmed and is under study.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 161-1, *Thermoplastics pipes for the conveyance of fluids — Nominal outside diameters and nominal pressures — Part 1: Metric series*

ISO 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

ISO 3126, *Plastics piping systems — Plastics components — Determination of dimensions*

ISO 11922-1, *Thermoplastics pipes for the conveyance of fluids — Dimensions and tolerances — Part 1: Metric series*

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 161-1 and ISO 11922-1 apply.

4 Symbols and abbreviated terms

$d_{i,min}$ minimum internal diameter, in millimetres, of pipe

d_n nominal external diameter, in millimetres, of pipe

e_n nominal wall thickness, in millimetres, of pipe